RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/7/8.952A
Source:	1FW16,
Date Processed by STIC:	1/19/06

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 01/19/2006
PATENT APPLICATION: US/10/718,952A TIME: 12:52:09

Input Set : A:\BB1077 US DIV SUBSTITUTE SEQUENCE LISTING.txt

```
3 <110> APPLICANT: Hitz, William
             Sebastian, Scott
     5
             Grace, John
             Streit, Leon
     8 <120> TITLE OF INVENTION: SOYBEAN PLANT PRODUCING SEEDS WITH REDUCED LEVELS OF
RAFFINOSE
             SACCHARIDES AND PHYTIC ACID
     9
    11 <130> FILE REFERENCE: BB1077 US DIV
    13 <140> CURRENT APPLICATION NUMBER: 10/718,952A
    14 <141> CURRENT FILING DATE: 2003-11-21
    16 <150> PRIOR APPLICATION NUMBER: 10/025,003
    17 <151> PRIOR FILING DATE: 2002-03-11
     19 <150> PRIOR APPLICATION NUMBER: 09/299,315
    20 <151> PRIOR FILING DATE: 1999-04-26
    22 <150> PRIOR APPLICATION NUMBER: PCT/US98/06822
    23 <151> PRIOR FILING DATE: 1998-04-07
    25 <150> PRIOR APPLICATION NUMBER: 08/835,751
    26 <151> PRIOR FILING DATE: 1997-04-08
    28 <160> NUMBER OF SEQ ID NOS: 20
    30 <170> SOFTWARE: Microsoft Office 97
    32 <210> SEO ID NO: 1
    33 <211> LENGTH: 1760
    34 <212> TYPE: DNA
    35 <213 > ORGANISM: Glycine max
    37 <400> SEQUENCE: 1
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    39 togagaattt taaggttgag tgtcctaatg tgaagtacac cgagactgag attcagtccg
                                                                           120
    40 tgtacaacta cgaaaccacc gaacttgttc acgagaacag gaatggcacc tatcagtgga
                                                                           180
    41 ttgtcaaacc caaatctgtc aaatacgaat ttaaaaccaa catccatgtt cctaaattag
                                                                           240
                                                                           300
    42 gggtaatget tgtgggttgg ggtggaaaca aeggeteaac ceteaceggt ggtgttattg
    43 ctaaccgaga gggcatttca tgggctacaa aggacaagat tcaaccaagcc aattactttg
    44 geteceteae ecaageetea getateegag ttgggteett ecagggagag gaaatetatg
    45 ccccattcaa gagcctgctt ccaatggtta accctgacga cattgtgttt gggggatggg
    46 atatcagcaa catgaacctg gctgatgcca tggccagggc aaaggtgttt gacatcgatt
                                                                           540
    47 tgcagaagca gttgaggcct tacatggaat ccatgcttcc actccccgga atctatgacc
                                                                           600
    48 cggatttcat tgctgccaac caagaggagc gtgccaacaa cgtcatcaag ggcacaaagc
                                                                           660
                                                                           720
    49 aagagcaagt tcaacaaatc atcaaagaca tcaaggcgtt taaggaagcc accaaagtgg
    50 acaaggtggt tgtactgtgg actgccaaca cagagaggta cagtaatttg gttgtgggcc
                                                                           780
    51 ttaatgacac catggagaat ctcttggctg ctgtggacag aaatgaggct gagatttctc
    52 cttccacctt gtatgccatt gcttgtgtta tggaaaatgt tcctttcatt aatggaagcc
    53 ctcagaacac ttttgtacca gggctgattg atcttgccat cgcgaggaac actttgattg
    54 gtggagatga cttcaagagt ggtcagacca aaatgaaatc tgtgttggtt gatttccttg 1020
    55 tgggggctgg tatcaagcca acatctatag tcagttacaa ccatctggga aacaatgatg 1080
    56 gtatgaatct ttcggctcca caaactttcc gttccaagga aatctccaag agcaacgttg 1140
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Input Set: A:\BB1077 US DIV SUBSTITUTE SEQUENCE LISTING.txt
Output Set: N:\CRF4\01192006\J718952A.raw

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57 ttgatgatat ggtcaacagc aatgccatcc tctatgagcc tggtgaacat ccagaccatg 1200
58 ttgttgttat taagtatgtg ccttacgtag gggacagcaa gagagccatg gatgagtaca 1260
59 cttcagagat attcatgggt ggaaagagca ccattgtttt gcacaacaca tgcgaggatt 1320
60 ccctcttagc tgctcctatt atcttggact tggtccttct tgctgagctc agcactagaa 1380
61 togagtttaa agotgaaaat gagggaaaat tocactcatt coacccagtt gotaccatco 1440
62 tragetacet caccaagget cetetggtte caccgggtae accagtggtg aatgeattgt 1500
63 caaagcagcg tgcaatgctg gaaaacataa tgagggcttg tgttggattg gccccagaga 1560
64 ataacatgat tctcgagtac aagtgaagca tgggaccgaa gaataatata gttggggtag 1620
65 cctagctgaa tgttttatgt taataatatg tttgcttata attttgcaag tgtaattgaa 1680
66 tgcatcagct tcattaatgc tttagagcgg ggcatattct gtttactagg aacatgaatg 1740
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70 <211> LENGTH: 510
71 <212> TYPE: PRT
72 <213> ORGANISM: Glycine max
74 <400> SEQUENCE: 2
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81 His Glu Asn Arg Asn Gly Thr Tyr Gln Trp Ile Val Lys Pro Lys Ser
                                40
84 Val Lys Tyr Glu Phe Lys Thr Asn Ile His Val Pro Lys Leu Gly Val
87 Met Leu Val Gly Trp Gly Gly Asn Asn Gly Ser Thr Leu Thr Gly Gly
                                            75
                        70
90 Val Ile Ala Asn Arg Glu Gly Ile Ser Trp Ala Thr Lys Asp Lys Ile
                                        90
93 Gln Gln Ala Asn Tyr Phe Gly Ser Leu Thr Gln Ala Ser Ala Ile Arg
94
96 Val Gly Ser Phe Gln Gly Glu Glu Ile Tyr Ala Pro Phe Lys Ser Leu
97
           115
                               120
99 Leu Pro Met Val Asn Pro Asp Asp Ile Val Phe Gly Gly Trp Asp Ile
                            135
102 Ser Asn Met Asn Leu Ala Asp Ala Met Ala Arg Ala Lys Val Phe Asp
                        150
                                            155
105 Ile Asp Leu Gln Lys Gln Leu Arg Pro Tyr Met Glu Ser Met Leu Pro
                                        170
108 Leu Pro Gly Ile Tyr Asp Pro Asp Phe Ile Ala Ala Asn Gln Glu Glu
                                    185
                                                         190
109
                180
111 Arg Ala Asn Asn Val Ile Lys Gly Thr Lys Gln Glu Gln Val Gln Gln
                                200
114 Ile Ile Lys Asp Ile Lys Ala Phe Lys Glu Ala Thr Lys Val Asp Lys
                            215
115
117 Val Val Leu Trp Thr Ala Asn Thr Glu Arg Tyr Ser Asn Leu Val
                                            235
118 225
                        230
120 Val Gly Leu Asn Asp Thr Met Glu Asn Leu Leu Ala Ala Val Asp Arg
                    245
                                        250
123 Asn Glu Ala Glu Ile Ser Pro Ser Thr Leu Tyr Ala Ile Ala Cys Val
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Input Set : A:\BB1077 US DIV SUBSTITUTE SEQUENCE LISTING.txt

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124
                     260
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    126 Met Glu Asn Val Pro Phe Ile Asn Gly Ser Pro Gln Asn Thr Phe Val
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                275
                                     280
    129 Pro Gly Leu Ile Asp Leu Ala Ile Ala Arg Asn Thr Leu Ile Gly Gly
                                 295
    132 Asp Asp Phe Lys Ser Gly Gln Thr Lys Met Lys Ser Val Leu Val Asp
                             310
                                                 315
    135 Phe Leu Val Gly Ala Gly Ile Lys Pro Thr Ser Ile Val Ser Tyr Asn
                                             330
    138 His Leu Gly Asn Asn Asp Gly Met Asn Leu Ser Ala Pro Gln Thr Phe
                     340
                                        345
    141 Arg Ser Lys Glu Ile Ser Lys Ser Asn Val Val Asp Asp Met Val Asn
    144 Ser Asn Ala Ile Leu Tyr Glu Pro Gly Glu His Pro Asp His Val Val
                                 375
    147 Val Ile Lys Tyr Val Pro Tyr Val Gly Asp Ser Lys Arg Ala Met Asp
                             390
                                                 395
    150 Glu Tyr Thr Ser Glu Ile Phe Met Gly Gly Lys Ser Thr Ile Val Leu
                         405
    153 His Asn Thr Cys Glu Asp Ser Leu Leu Ala Ala Pro Ile Ile Leu Asp
                     420
                                         425
    156 Leu Val Leu Leu Ala Glu Leu Ser Thr Arg Ile Glu Phe Lys Ala Glu
                                     440
    159 Asn Glu Gly Lys Phe His Ser Phe His Pro Val Ala Thr Ile Leu Ser
            450
                                 455
                                                     460
    162 Tyr Leu Thr Lys Ala Pro Leu Val Pro Pro Gly Thr Pro Val Val Asn
                             470
                                                 475
    165 Ala Leu Ser Lys Gln Arg Ala Met Leu Glu Asn Ile Met Arg Ala Cys
                         485
                                             490
    168 Val Gly Leu Ala Pro Glu Asn Asn Met Ile Leu Glu Tyr Lys
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    173 <212> TYPE: DNA
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    176 <220> FEATURE:
    177 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
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    183 <211> LENGTH: 39
    184 <212> TYPE: DNA
    185 <213> ORGANISM: Artificial Sequence
    187 <220> FEATURE:
    188 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic oligonuclotide
    190 <400> SEQUENCE: 4
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    194 <211> LENGTH: 1533
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Input Set : A:\BB1077 US DIV SUBSTITUTE SEQUENCE LISTING.txt

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196 <213> ORGANISM: Glycine max
198 <400> SEQUENCE: 5
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200 cagtccgtgt acaactacga aaccaccgaa cttgttcacg agaacaggaa tggcacctat
                                                                        120
                                                                        180
201 cagtggattg tcaaacccaa atctgtcaaa tacgaattta aaaccaacat ccatgttcct
202 aaattagggg taatgettgt gggttggggt ggaaacaacg geteaaceet caeeggtggt
                                                                        240
203 gttattgcta accgagaggg catttcatgg gctacaaagg acaagattca acaagccaat
                                                                        300
                                                                       360
204 tactttggct ccctcaccca agcctcagct atccgagttg ggtccttcca gggagaggaa
205 atctatgccc cattcaagag cctgcttcca atggttaacc ctgacgacat tgtgtttggg
                                                                        420
206 ggatgggata tcagcaacat gaacctggct gatgccatgg ccagggcaaa ggtgtttgac
                                                                        480
                                                                        540
207 atcgatttgc agaagcagtt gaggccttac atggaatcca tgcttccact ccccggaatc
208 tatgaccogg atttcattgc tgccaaccaa gaggagcqtg ccaacaacgt catcaagggc
                                                                        600
209 acaaaqcaaq aqcaaqttca acaaatcatc aaaqacatca aggcqtttaa ggaagccacc
210 aaagtggaca aggtggttgt actgtggact gccaacacag agaggtacag taatttggtt
                                                                        720
211 gtgggcctta atgacaccat ggagaatete ttggctgctg tggacagaaa tgaggctgag
                                                                        780
212 atttctcctt ccaccttgta tgccattgct tgtgttatgg aaaatgttcc tttcattaat
                                                                        840
213 ggaagccctc agaacacttt tgtaccaggg ctgattgatc ttgccatcgc gaggaacact
                                                                        900
214 ttgattggtg gagatgactt caagagtggt cagaccaaaa tgaaatctgt gttggttgat
215 ttccttgtgg gggctggtat caagccaaca tctatagtca gttacaacca tctgggaaac 1020
216 aatgatggta tgaatctttc ggctccacaa actttccgtt ccaaggaaat ctccaagagc 1080
217 aacgttgttg atgatatggt caacagcaat gccatcctct atgagcctgg tgaacatcca 1140
218 gaccatgttg ttgttattaa gtatgtgcct tacgtagggg acagcaatag agccatggat 1200
219 gagtacactt cagagatatt catgggtgga aagagcacca ttgttttgca caacacatgc 1260
220 gaggattece tettagetge teetattate ttggaettgg teettettge tgageteage 1320
221 actagaatcg agtttaaagc tgaaaatgag ggaaaattcc actcattcca cccagttgct 1380
222 accatectea getaceteae caaggeteet etggtteeae egggtacaee agtggtgaat 1440
223 gcattgtcaa agcagcgtgc aatgctggaa aacataatga gggcttgtgt tggattggcc 1500
224 ccagagaata acatgattct cgagtacaag tga
226 <210> SEQ ID NO: 6
227 <211> LENGTH: 510
228 <212> TYPE: PRT
229 <213> ORGANISM: Glycine max
231 <400> SEQUENCE: 6
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238 His Glu Asn Arg Asn Gly Thr Tyr Gln Trp Ile Val Lys Pro Lys Ser
239
             35
                                 40
241 Val Lys Tyr Glu Phe Lys Thr Asn Ile His Val Pro Lys Leu Gly Val
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                             55
                                                 60
244 Met Leu Val Gly Trp Gly Gly Asn Asn Gly Ser Thr Leu Thr Gly Gly
                         70
                                             75
247 Val Ile Ala Asn Arg Glu Gly Ile Ser Trp Ala Thr Lys Asp Lys Ile
                                         90
250 Gln Gln Ala Asn Tyr Phe Gly Ser Leu Thr Gln Ala Ser Ala Ile Arg
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                100
253 Val Gly Ser Phe Gln Gly Glu Ile Tyr Ala Pro Phe Lys Ser Leu
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Input Set : A:\BB1077 US DIV SUBSTITUTE SEQUENCE LISTING.txt

175																	
130	254	_	_	115	7	•		_	120	-1		-	~ 1	125	_	_	
Ser Asn Met Asn Leu Ala Asp Ala Met Ala Arg Ala Arg Ala Leu Clu Asp As		Leu		Met	vaı	Asn	Pro	_	Asp	тте	vai	Pne		GIY	Trp	Asp	тте
160 145		_			•	-										-1	
262 Tie Asp Leu Gln Lys Gln Leu Arg Pro Tyr Met Glu Ser Met Leu Pro 175 175 176 177 178			Asn	Met	Asn	ьeu		Asp	Ala	мес	Ala	_	Ата	ьуs	vaı	Pne	_
165			_	_	~ 1	_		_		_	_		~1	_		_	
The color The		He	Asp	Leu	GIn	_	GIn	Leu	Arg	Pro	_	Met	GIu	Ser	Met		Pro
186		_	_	~-3	-1		_	_	_	-1				•			~ 1
1		Leu	Pro	GIA		Tyr	Asp	Pro	Asp		He	Ala	Ala	Asn		GIu	GIu
195		_		_			~-	_	~-7		_	~-1	~ 7	~1		~3	~3
The The Lys Asp The Lys Ala Phe Lys Glu Ala Thr Lys Val Asp Lys Lys		Arg	Ala		Asn	vai	ıте	Lys	-	Thr	Lys	GIn	GIu		vaı	GIn	Gin
272						-1.		- 1		-	~ 1	• • •	m1		**- 7	•	7
1		тте		ьуs	Asp	ше	гуѕ		Pne	ьys	GIU	Ala		ьys	vai	Asp	ьys
275 225 240 240 240 245 250					_	_	67 1		_	-1	~7	•		a		.	** - 7
277 Val Gly Leu Asn Asp Thr Met Glu Asn Leu Leu Ala Ala Asp 255 270 250 270 <td></td> <td></td> <td>vai</td> <td>vai</td> <td>Leu</td> <td>Trp</td> <td></td> <td>Ala</td> <td>Asn</td> <td>Thr</td> <td>GIU</td> <td>_</td> <td>Tyr</td> <td>Ser</td> <td>Asn</td> <td>ьeu</td> <td></td>			vai	vai	Leu	Trp		Ala	Asn	Thr	GIU	_	Tyr	Ser	Asn	ьeu	
278			~1		•				~ 1		.		.	71 -	**- 7	7	
280		Val	GIY	Leu	Asn	_	Thr	Met	GIu	Asn		Leu	Ala	Ala	vai		Arg
281			~7		~3					6 1				~1 -	71-		77-7
283 Met Glu Asn Val Pro Phe Ile Asn Gly Ser Pro Gln Asn Thr Phe Val 286 Pro Gly Leu Ile Asp Leu Ala Ile Ala Ale Asp Asn Thr Leu Ile Ile Gly Gly Asp Asp Phe Lys Ser Gly Gln Thr Lys Met Lys Ser Val Leu Val Asp Met Asp Thr Ser Asp Asp <td></td> <td>Asn</td> <td>GIU</td> <td>Ата</td> <td></td> <td>тте</td> <td>ser</td> <td>Pro</td> <td>ser</td> <td></td> <td>Leu</td> <td>ıyr</td> <td>Ala</td> <td>тте</td> <td></td> <td>Cys</td> <td>vaı</td>		Asn	GIU	Ата		тте	ser	Pro	ser		Leu	ıyr	Ala	тте		Cys	vaı
284			~1	_			5 1	-1.	•			5	~1 ·-		-	D1	**- 7
286 Pro Gly Leu Ile Ala Ile Ala Arg Arg Arg Leu Ile Gly Gly Gly Gly Gly Met Lys Ser Val Leu Val Arg Arg <td></td> <td>Met</td> <td>GIU</td> <td></td> <td>vaı</td> <td>Pro</td> <td>Pne</td> <td>me</td> <td></td> <td>GIY</td> <td>Ser</td> <td>Pro</td> <td>GIN</td> <td></td> <td>Thr</td> <td>Pne</td> <td>vai</td>		Met	GIU		vaı	Pro	Pne	me		GIY	Ser	Pro	GIN		Thr	Pne	vai
287 290			~1		-1.	•	.						m1		71 -	~ 1	a 1
289 Asp Asp Phe Lys Ser Gly Gln Thr Lys Met Lys Ser Val Leu Val Asp 320 320 320 320 320 325 Tr Ser Thr Ser Ile Val Ser Tyr Asn Asp 320 330 Tr Tr Val Ser Tyr Asn 335 Tr 330 Tr Tr Val Ser Asn 335 Tr 335 Tr 335 Tr 335 Tr 335 Tr Asn 335 Tr 335 Tr 335 Tr 335 Tr Asn 345 Ser Ala Pro Br Ser Asn As		Pro	_	Leu	тте	Asp	ьeu		ше	Ата	Arg	Asn		ьeu	ire	GIY	GIY
290 305		_			-		~1		ml		30 - L	T		*** 7	T	77-7	7
292 Phe Leu Val Gly Ala Gly Ala Gly Ile Lys Pro Thr Ser Ile Val Ser Tyr Asn 325 325 Treat Same Asn 325 330 Treat Same Asn 335 335 336 Treat Same Asn 336 Treat Same Asn 336 Asn 345 Asn 345 Leu Ser Ala Pro Gln Thr Phe 350 Treat Same Asn 345 Asn 345 Leu Ser Asn 345 Leu Ser Ala Pro Gln Thr Phe 350 Treat Same Asn 350 Treat Same Asn 345 Tre		_	Asp	Pne	ьуs	ser	_	GIN	Thr	ьys	мет	_	ser	vai	ьeu	vaı	
293 His Leu Gly Asn Asn Asn Asp Gly Met Asn Leu Ser Ala Pro Gln Thr Phe 296 His Right Leu Gly Asn Asn Asp Gly Met Asn Leu Ser Ala Pro Gln Thr Phe 298 Arg Ser Lys Glu Ile Ser Lys Ser Asn Val Asp Asp Met Val Asn 301 Ser Asn Ala Ile Leu Tyr Glu Pro Gly Glu His Pro Asp His Val Val Asn 301 Ser Asn Ala Ile Leu Tyr Glu Pro Gly Gly His Pro Asp His Val Val Val Val Asp Asp </td <td></td> <td></td> <td>.</td> <td>**- 7</td> <td>~1</td> <td>7.7 -</td> <td></td> <td>-1-</td> <td>T</td> <td>D</td> <td>mla</td> <td></td> <td>T1_</td> <td>17 7</td> <td>0</td> <td>TT</td> <td></td>			.	**- 7	~1	7.7 -		-1 -	T	D	mla		T1_	17 7	0	TT	
295 His Leu Gly Asn Asp Gly Met Asn Leu Ser Ala Pro Gln Thr Phe 296		Pne	ьеи	vaı	GIY		GIY	ire	ьуs	Pro		ser	TTE	vai	ser		ASII
296 Arg Ser Lys Glu Ile Ser Lys Ser Asn Val Val Asp Asp Met Val Asn 299 355 355 4 Fro 360 5 5 365 5 4 4 301 Ser Asn Ala Ile Leu Tyr Glu Pro Gly Glu His Pro Asp His Val Val Val 304 Val Ile Lys Tyr Val Pro Tyr Val Gly Asp Ser Asn Arg Ala Met Asp 305 385 - - - 390 - - - 395 - - - 400 307 Glu Tyr Val Pro Met Gly Gly Lys Ser Thr Ile Val Leu Ala Ala Pro Leu Ala Ala Pro Ile Ala Ile Ile		774	T	~1	7		7	a 1	M-L	7		C	71.	Dwa	~1 ~		Dho
298 Arg Ser Lys Glu Ile Ser Lys Ser Asn Val Asp Met Val Asn 299 355 5 5 5 6 360 6 6 7 6 7 7 7 7 7 7 1 <td></td> <td>HIS</td> <td>ьeu</td> <td>GIY</td> <td></td> <td>ASI</td> <td>Asp</td> <td>GIY</td> <td>met</td> <td></td> <td>Leu</td> <td>ser</td> <td>Ald</td> <td>PIO</td> <td></td> <td>1111</td> <td>Pne</td>		HIS	ьeu	GIY		ASI	Asp	GIY	met		Leu	ser	Ald	PIO		1111	Pne
299 355 361 Ser Asn Ala Ile Leu Tyr Glu Pro Glu His Pro Asp His Val Val Val Asp Ser Asp His Val Val Val Asp Ser Asp His Asp Ala Met Asp Asp Ser Asp Asp Ala Met Asp Asp Ser Asp A		7	C	T		T 1.	C.a.m	T	Cox		1707	v-1	7 ~~	7 an		17a l	7 an
301 Ser Asn Ala Ile Leu Tyr Glu Pro Gly Glu His Pro Asp His Val Val Asp 380 Fro Val Asp 380 Fro Asp A		Arg	ser		GIU	тте	ser	гуѕ		ASII	Val	vaı	ASP		Met	vai	ASII
302		Cox	Nan		т1.	T 011	т	C1		C3	C1	uic	Dro		uic	ו בעו	W-1
304 Val Ile Lys Tyr Val Pro Tyr Val Gly Asp Ser Asn Arg Ala Met Asp 305 385		ser		Ата	116	ьец	ıyı		PIO	Gry	GIU	пть		ASP	UIS	vaı	vai
305 385		37 a T		Tarc	Ф	77-1	Dro		Wal.	Clv	Λcn	Car		Ara	בות	Mot	Acn
307 Glu Tyr Thr Ser Glu Ile Phe Met Gly Gly Lys Ser Thr Ile Val Leu 308			116	цуз	ıyı	vai		ıyı	vaı	Gry	Asp		AŞII	Arg	Αια	Mec	
308			Тъгъ	Thr	Sor	Clu		Dha	Mot	Gly	Glv		Car	Thr	Tla	Val	
310 His Asn Thr Cys Glu Asp Ser Leu Leu Ala Ala Pro Ile Ile Leu Asp 311		GIU	TYL	1111	Ser		116	FILE	Mec	Gry	_	цуз	361	1111	110		пси
311 Leu Val Leu Leu Ala Glu Leu Ser Thr Arg Ile Glu Phe Lys Ala Glu 314		uic	Acn	Thr	Cvc		Acn	Ser	T.011	T.011		Δla	Pro	Tle	Tle		Asn
313 Leu Val Leu Leu Ala Glu Leu Ser Thr Arg Ile Glu Phe Lys Ala Glu 314		1113	Poli	1111	_	GIU	Pop	SCI	Deu		лта	ALG	110	110		<u> LCu</u>	,,DP
314 435 440 445 445 128 450 128 140 128 140 141 141 141 140 141 1		Lou	t/al	T.011		ב [ת	Glu	T.011	Sor		Δνα	тlь	Glu	Dhe		Δla	Glu
316 Asn Glu Gly Lys Phe His Ser Phe His Pro Val Ala Thr Ile Leu Ser 317		пси	vai		пси	Ата	GIU	шси		1111	AL 9	110	Olu		Lyo	1114	OIU
317		Acn	Glu		Laze	Dhe	Hic	Ser		Hic	Dro	Val	Δla		Tle	T.e.11	Ser
319 Tyr Leu Thr Lys Ala Pro Leu Val Pro Gly Thr Pro Val Val Asn 320 465		Poli		Gry	шуз	FIIC	1113		rnc	1113	110	VUI		1111	110	LCu	501
320 465 470 475 480 322 Ala Leu Ser Lys Gln Arg Ala Met Leu Glu Asn Ile Met Arg Ala Cys 323 485 490 495 325 Val Gly Leu Ala Pro Glu Asn Asn Met Ile Leu Glu Tyr Lys		Tvr		Thr	Laze	Δla	Pro		Val	Pro	Pro	Glv		Pro	Val	Val	Asn
322 Ala Leu Ser Lys Gln Arg Ala Met Leu Glu Asn Ile Met Arg Ala Cys 323 485 490 495 325 Val Gly Leu Ala Pro Glu Asn Asn Met Ile Leu Glu Tyr Lys		_	пси	1111	цуз	AIU		Leu	• • • • • • • • • • • • • • • • • • • •	110				110	• • • •	• • • •	
323 485 490 495 325 Val Gly Leu Ala Pro Glu Asn Asn Met Ile Leu Glu Tyr Lys			T.011	Ser	Lve	Gln		Δla	Met	T.e.11	Glu		Tle	Met	Ara	Δla	
325 Val Gly Leu Ala Pro Glu Asn Asn Met Ile Leu Glu Tyr Lys					273		9								5		-,5
		Val	Glv	Len	Ala		G] 11	Asn	Asn	Met		Leu	Glu	Tvr	Lvs		
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VERIFICATION SUMMARYDATE: 01/19/2006PATENT APPLICATION: US/10/718,952ATIME: 12:52:10

Input Set : A:\BB1077 US DIV SUBSTITUTE SEQUENCE LISTING.txt